

Product Datasheet

MCF (orb2277138)

Catalog Number	orb2277138
Category	Small Molecules
Description	MCF, a bee venom-derived antimicrobial peptide, inhibits the growth of E. coli, S. aureus, and B. subtilis with MICs ranging from 15-45 µg/ml. This peptide is a valuable research tool for studying novel antibiotics and host defense mechanisms in both in vitro and in vivo experimental models.
Target	Antibacterial,Others
MW	1850.22
CAS Number	579474-25-2
Formula	C ₈₄ H ₁₄₄ N ₂₈ O ₁₉
SMILES	C([C@@H])(C(N[C@H])(C(N[C@H])(C(N[C@H])(C(N[C@H])(C(N[C@H])(C(N[C@H])(C(N[C@@H])(CCCC(N)=O)C(N)=O)=O)CCC(N)=O)=O)CCCN(C(=N)N)=O)CCCN)=O)[C@H](CC)C)=O)NC([C@@H])(NC([C@@H])(NC([C@@H])(NC([C@@H])(NC(=O)[C@H]1N(C([C@@H])(NC(CN)=O)CC(C)C)=O)CCC1)C)=O)CC(C)C)=O)[C@H](CC)C)=O)CO)=O)C=2C=3C(NC2)=CC=CC3
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558